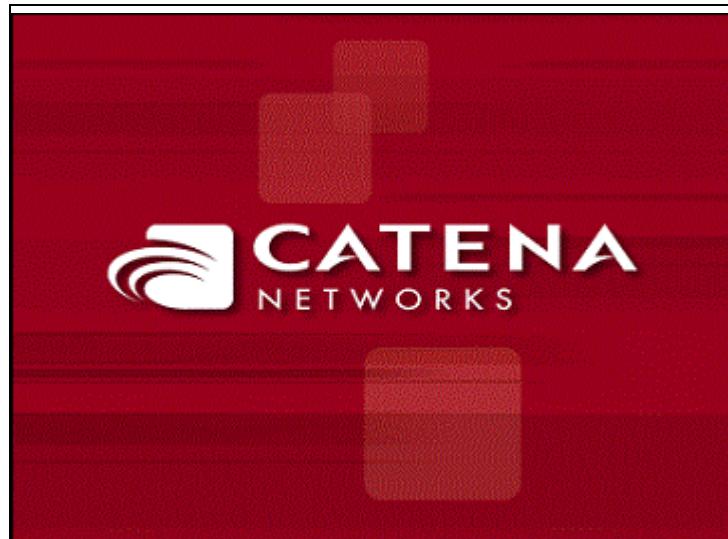


Slide 1



Slide 2

Catena Company Overview

Catena's R&D Center



Enable mass deployment of Broadband

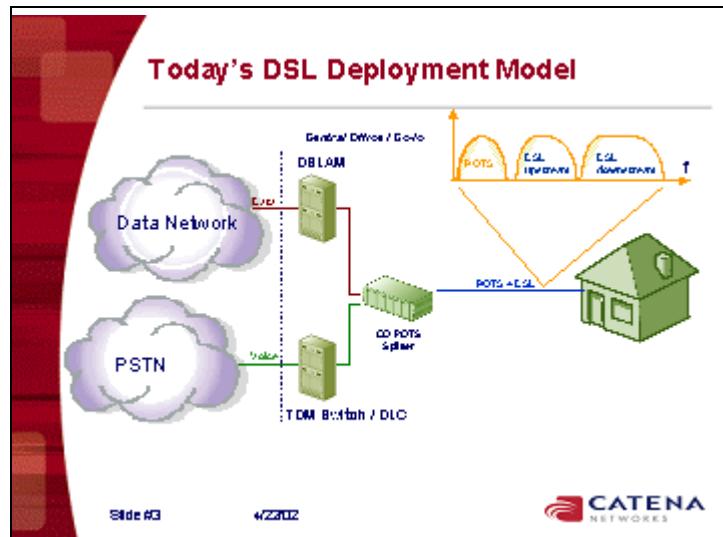
- Founded in December 1998
- Headquartered in Redwood Shores, CA
- Product Marketing in Raleigh, NC
- 325 employees

- Founders developed Nortel's mass-market, copper loop solutions
 - Delivered more than 150 million lines worldwide
- U.S. \$192 million in venture capital financing
 - Inception, Allender, Goldman Sachs, Morgan Stanley, Meitner, Warburg, Seligman, Bessemer, JP Morgan, Beekley, BCE Capital, Lighthouse, Silicon Valley Bank

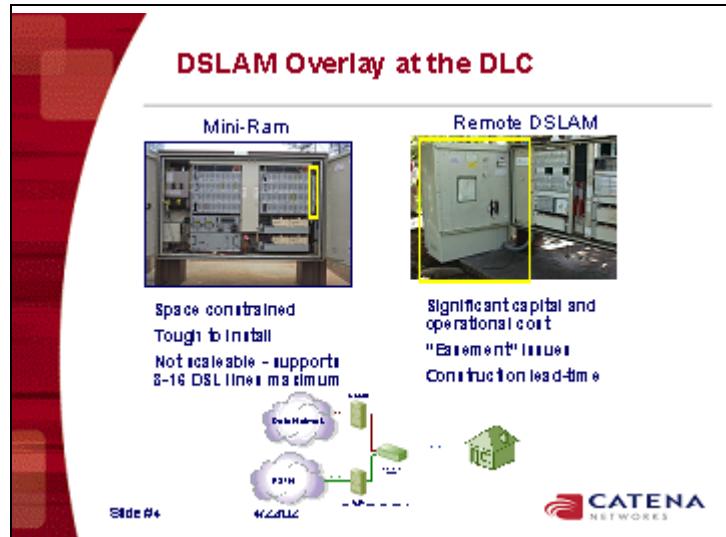
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Slide 3



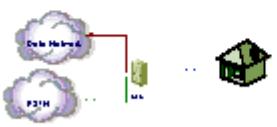
Slide 4



Slide 5

Broadband enabling Legacy SLCs

- 2 card swap
 - Retains POTS capacity
 - Adds DSL capability
- No re-wiring or external POTS Splitters required



Lucent SLC series 5

Over 20M lines of SLC deployed

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Slide 6

DSL at the DLC (Overlay vs Integrated)

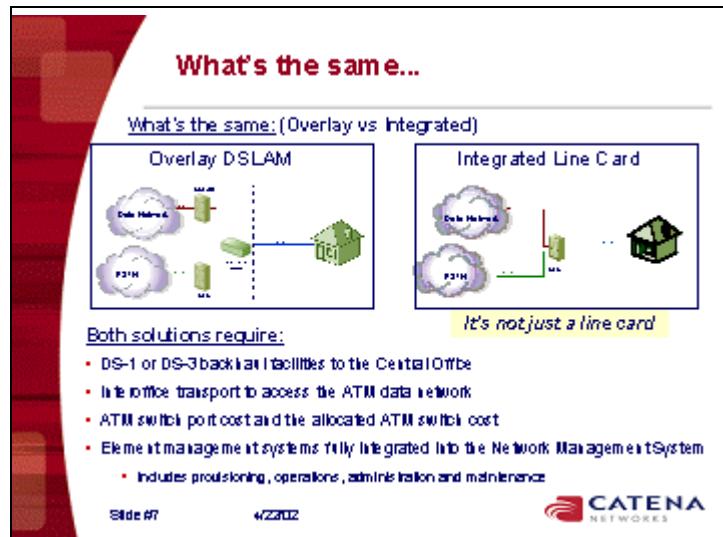
What's different: (Overlay vs. Integrated)

<p>Remote DSLAM</p>  <p>Requires:</p> <ul style="list-style-type: none">• Site survey, easement, pad• New cabinet, power, installation• DSLAM electronics• Re-wiring (to access loop)	<p>Integrated Line Card</p>  <p>Requires:</p> <ul style="list-style-type: none">• Line card swap• Common card swap (ATM backplane)
<i>More economical and scalable</i>	

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Slide 7



Slide 8

Summary

Catena's integrated POTS + DSL solutions enable

- DSL deployment to more communities
 - Addresses economic deployment in rural and suburban areas
 - Two-line granularity (low start-up with greater scalability)
- Speeds DSL deployment to all areas
 - Simpler physical deployment; card swap (same back office implementation)

Increasing Speed and Breadth of Deployment Are Critical

- Innovation and investment in face of uncertainty
- Solutions for today should not impede innovations of tomorrow

Enable mass deployment of broadband

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Conclusion

Regulators should

- Embrace technology innovation
 - Integrating voice and data benefits all Americans, and makes broadband services economical in rural areas
- Avoid regulatory decisions that impose unnecessary costs or otherwise impair Carriers' ability to provide broadband services profitably
 - Inequitable solutions will not be deployed
 - Many communities will be left unserved

Everyone wants Broadband

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Slide 10

Required Actions

- National Broadband Policy
 - Act as quickly as possible to resolve the outstanding remakings to develop a sensible broadband policy that does not create disincentives (such as TELRIC pricing) or impede investment in new broadband technologies. We believe the Commission has proposed such a framework.
- Resolve Remote Terminal Collocation Issues
 - Act even faster to resolve discrete remote terminal collocation issues that are outstanding in separate proceedings so as to remove any potential impediment to the deployment of integrated broadband technology.
- Preempt State Decisions that impede Broadband Deployment
 - Do not allow inconsistent state regulatory decisions to frustrate the critical federal policy of fostering the rapid deployment of broadband services.

Everyone wants Broadband

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